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<u>Scholarly articles for **overlaying a virtual marker on a real instrument**</u>

<u>Collaboration with tangible augmented reality interfaces</u> - Billinghurst - Cited by 5
<u>An **instrument** that isn't really [Laboratory **Virtual** ...</u> - Santori - Cited by 14
<u>Collaborative Mixed Reality</u> - Billinghurst - Cited by 142

[PDF] <u>A Ubiquitous Computing Environment Composed by Cooperation between ...</u>
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An example of **overlaying a virtual**. object. Figure 6. Ubiquitous Chip. tion parts. When the
receiving program detects a transition. in the **marker ...**
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[PDF] <u>Use of augmented reality in education - EUROCON 2003. Computer as ...</u>
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between, since it's basic idea is **overlaying virtual** objects on. a. **real** world image thus ...
This means that we could put fiducial **markers** on **real ...**
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[PDF] <u>Texture **Overlay** onto Deformable Surface for **Virtual** Clothing</u>
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of **overlaying a virtual** object onto **real** scene, is used. mainly for rendering a **virtual**
image ... to be recognized as wrong **markers** near the **real markers**. ...
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type=pdf&coll=&dl=ACM&CFID=15151515&CFTOKEN=... - <u>Similar pages</u>

<u>artoolkit</u>
Since the **virtual** and **real** camera coordinates are the same, the computer graphics that are
drawn precisely **overlay** the **real marker** (Figure 3). ...
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[PDF] <u>Support System for Guitar Playing using Augmented Reality Display</u>
File Format: PDF/Adobe Acrobat - <u>View as HTML</u>
overlaying a virtual hand model and lines onto a **real** guitar. The ... of the **marker** and this
natural feature for tracking the guitar enabled ...
www.ozawa.ics.keio.ac.jp/Saito/paper/pdf/MotokawaSaito_Online_243-244.pdf -
<u>Similar pages</u>

<u>Emerald FullText Article : Augmenting reality for telerobotics ...</u>
This may be thought of as a **virtual instrument** panel. At a higher level, the user might, for
instance, position a 3D stereo cursor on part of the **real** world ...
www.emeraldinsight.com/Insight/viewContentItem.do?
contentType=Article&hdAction=lnkhtml&contentId=... - <u>Similar pages</u>

[PDF] <u>Magic Music Desk: A Tangible and Ubiquitous Multimodal Music and ...</u>
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Virtual Objects. **Marker**. Camera on the. top of desk. **Virtual Instrument ...** is sent to the
control block to ensure the precise **overlay** of **virtual ...**
mcs.open.ac.uk/mobsound/FINAL_zhying.pdf - <u>Similar pages</u>

[PDF] <u>The Table is The Score:An Augmented-Reality Interface for **Real ...**</u>

File Format: PDF/Adobe Acrobat - <u>View as HTML</u>
defined as the "**overlaying** of dynamic and context-specific. information over the visual
field ... accurate registration between the **real** and **virtual** scenes. ...
www.flong.com/writings/articles/levin_scrapple_20060320_1200dpi.pdf - <u>Similar pages</u>

<u>r-98-56</u>
An alternative approach is through Mixed Reality (MR), the **overlaying** of **virtual** objects on
the **real** world. This allows users to see each other and the **real** ...
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markers of known **real**-space location. The summation was based on multiple snapshots of
four ... The **overlay** (a) of the optical (b) and the **virtual** (c) ...
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20al%20SPIE%20Jan2004.pdf - <u>Similar pages</u>

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The ultraguide system is. a three-dimensional positioning. system creating an **overlay** of
the. **real**-time ultrasound image and a. **virtual** image of the device. ...
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[PDF] <u>LNCS 2878 - Cardiac Endoscopy Enhanced by Dynamic Organ Modeling ...</u>
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Static **overlay** of the **real** (optical endoscope) and **virtual** images of the heart ... based on
the screen coordinates of a fiducial **marker** placed on the ...
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<u>Augmented reality guided **instrument** positioning with modulated ...</u>
In augmented reality guided **instrument** placement, the physician has "**virtual** X-ray vision"
by seeing internal structures or **markers** superimposed on his **real** ...
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overlay. The tracking tasks are performed employing a hybrid tracking system combining ...
In addition, a **virtual** model of the **real instrument** is visualized ...
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<u>The Expert Surgical Assistant: An Intelligent **Virtual** Environment ...</u>
A miniature **instrument marker** present in the model follows the users motions exactly. ...
Unlike in the **real** world, the **virtual** world designer has complete ...
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[PDF] <u>Research article Augmenting reality for telerobotics: unifying ...</u>
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augmented reality for **overlaying** instructions ... so that the **real** and the **virtual** are
registered, a. **virtual instrument** panel and an interactive 3D ...
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<u>**Virtual** Fluoroscopy: Multiplanar X-Ray Guidance with Minimal ...</u>
These **markers** are affixed to the patient using a dynamic reference array (DRA), ... In
conclusion, **virtual** fluoroscopy expands upon the **real**–time imaging ...
www.spineuniverse.com/displayarticle.php/article355.html - 34k - <u>Cached</u> - <u>Similar pages</u>

<u>Developing a Generic Augmented-Reality Interface</u>
The video capture subsystem uses the camera's output to **overlay virtual** images onto the
video in **real** time as described in the "Tracking and Registration in ...
doi.ieeecomputersociety.org/10.1109/2.989929 - <u>Similar pages</u>

<u>ScienceDirect - Automation in Construction : Compatibility issues ...</u>
By **overlaying** the **virtual** pipe onto the **real** tracking **marker** in the user's view using a
video-based see-through HMD, task performance is expected to ...
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[PDF] Implementation and Evaluation of an Augmented Reality System ...
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The **virtual overlay** of the **instrument** changes. colours: red for non-correct direction to ...
The patient is registered to the system using the CT-**markers**. ...
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[PDF] <u>INPRES (intraoperative presentation of surgical planning and ...</u>
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For **overlay** of **virtual** data with a **real** patient we use a commercial ... These **marker**-based
tracking bodies are detected with the help of infrared light ...
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File Format: Microsoft Word - <u>View as HTML</u>
Image **Overlay** - Slicer[5] was extended to take fluoroscope input and project a 3D
representation of an **instrument** onto the image using the previously ...
www.cs.jhu.edu/~mthober/papers/bhargava-mmvr01.doc - <u>Similar pages</u>

<u>digitalexperience » 2006 » November</u>
The position of the physical **markers** are tracked using a camera and custom software. This
enables **overlay** of **virtual** content on the cube. ...
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[PDF] <u>Augmented Reality in Surgery</u>
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Now based on the **markers** the tracking system registers the **real** patient with the. **virtual**
patient and the surgeon. The patient's three-dimensional model ...
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[PDF] **Virtual** <u>Window for Improved Depth Perception in Medical AR</u>
File Format: PDF/Adobe Acrobat - <u>View as HTML</u>
system allows for more options how to combine **real** and **virtual** im- ... ther surgical
instruments. The **marker** frame target has an excep- ...
ar.in.tum.de/pub/bichlmeier2006window/bichlmeier2006window.pdf - <u>Similar pages</u>

[PDF] <u>Reference for Preparation of Papers for VR-AR-Proccedings</u>
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Figure 4: The **virtual overlay** of the **instrument** changes colours: red for ... Figure 6.
depicts the registration of one **marker** with the registration device. ...
informatiksysteme.pt-it.de/vr-ar-3/projekte/medarpa/paper_MEDARPA.pdf - <u>Similar pages</u>

[PDF] <u>Spatial Sound Localization in an Augmented Reality Environment</u>
File Format: PDF/Adobe Acrobat
concerned with **overlaying virtual** graphics on the **real**. world. In contrast, we are
interested in ... playing from the location of the **virtual instruments**. ...
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In addition, a **virtual** model of the **real instrument** is visualized together ... of Head Volume
Images Using Implantable Fiducial **Markers**," IEEE Trans. on ...
www.igd.fhg.de/igd-a7/publications/swesarg/SPIE2004_Medarpa_C.pdf - <u>Similar pages</u>

[PDF] <u>Presentation of December 2001 Deliveries to A&D for **Marker**-Less ...</u>

File Format: PDF/Adobe Acrobat - <u>View as HTML</u>
Medical AR. Fusion of "**Real**" and "**Virtual**". images. patient. **instruments**. models of patient ... Correct **overlay** requires to match **real** and **virtual** ...
campar.in.tum.de/twiki/pub/Chair/TeachingWs04IOIV/19AR.pdf - <u>Similar pages</u>

(R&D Horizons) **Virtual** Reality Moves into the Medical Mainstream ...

The user sees the **virtual** image as a transparent **overlay**; however, there are no electronics between the user's eye and the **real** world. ...
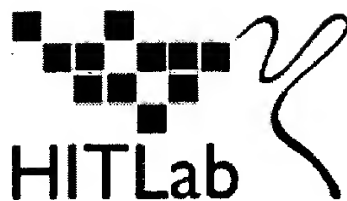www.devicelink.com/mddi/archive/00/05/004.html - 50k - <u>Cached</u> - <u>Similar pages</u>

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